

REGULAR A

Although we were convinced that CN-PAGE could not be

3 Results and discussion

Figure 2. 3-D SDS-PAGE identifying the constituent proteins of supercomplexes. Assignment of complexes as in Fig. 1. (A) Gel strip 1 from the 2-D native gel (Fig. 1B, lower panel) was analyzed. The characteristic protein subunit

Complex IV was clearly located below the dashed red diag-

We analyzed the in-gel ATP hydrolysis activity of complex

Comparing in-gel ATPase activities for one specific lane (Fig. 4A, digitonin/protein ratio = 2 g/g) and the corresponding complex V protein amounts (Fig. 4B, upper panel), we found that the specific activities for the monomeric and higher oligomeric states were comparable (1.00, 0.68, 0.91, and 0.97, for the monomeric, dimeric, tetrameric, and hex-

We analyzed four strips each taken from three different 1-D CN-gels (Fig. 5A–C). Digitonin/protein ratios of 2, 4, and 8 g/g were used for CN-gels A, B, and C, respectively. Gel

[8] Schägger, H., Pfeiffer, K., *EMBO J.* 2000, 19, 2007–2012. doi:10.1093/emboj/cd1111